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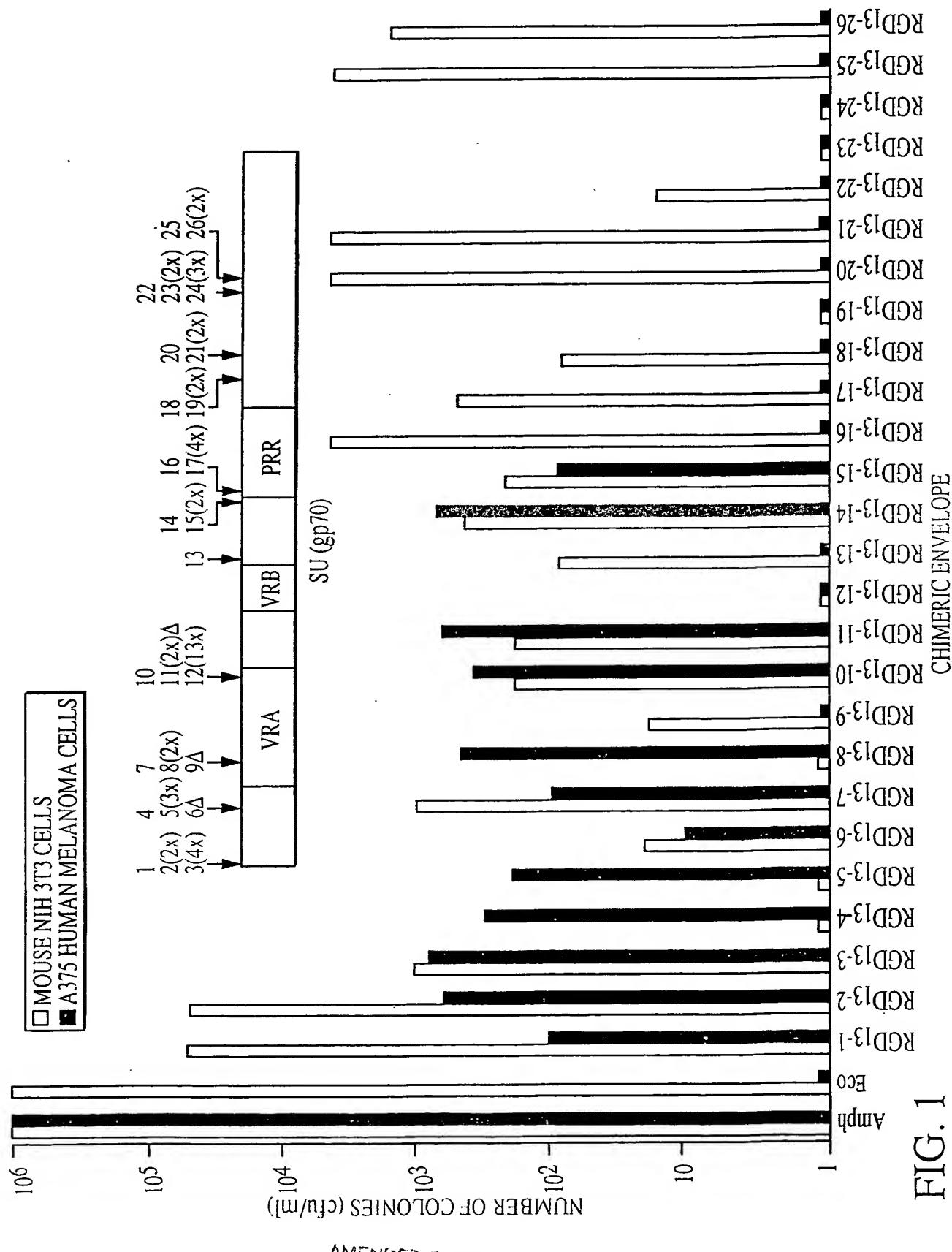


FIG. 1

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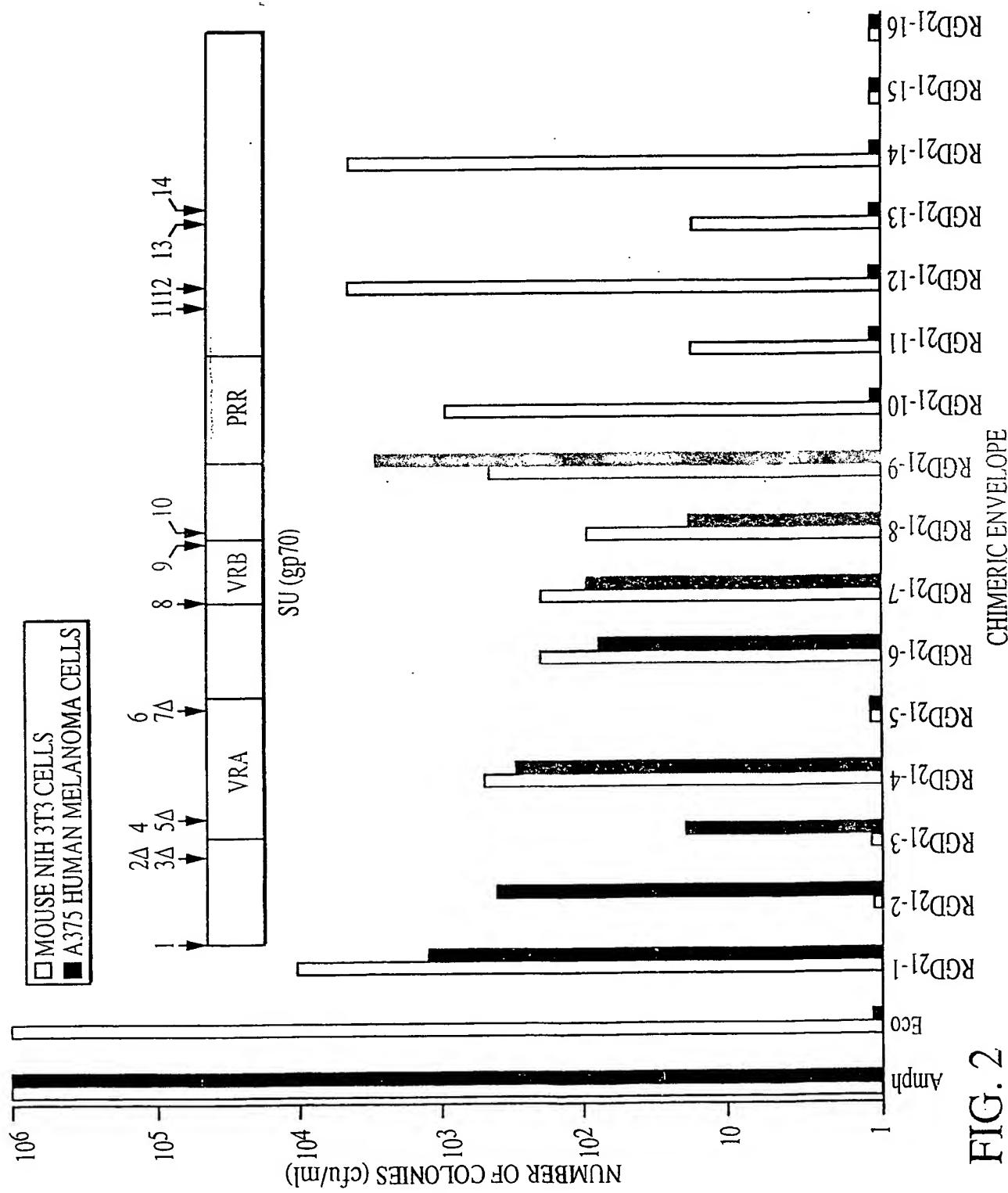


FIG. 2

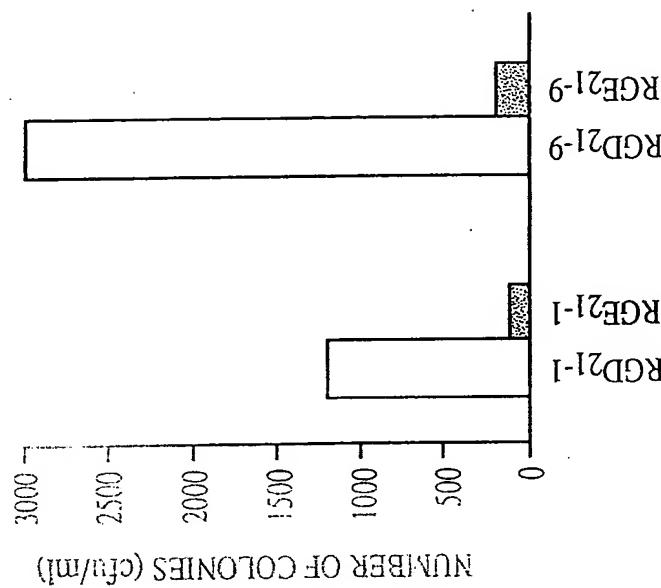
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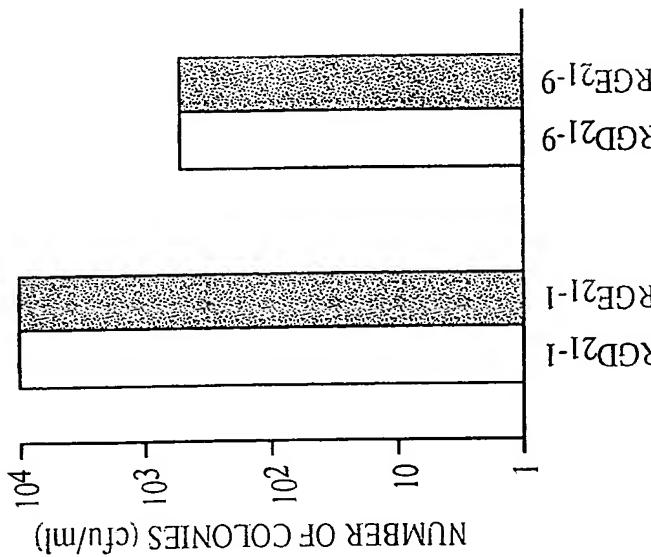
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A375 HUMAN MELANOMA CELLS

CHIMERIC ENVELOPE
FIG. 3B

MOUSE NIH 3T3 CELLS

CHIMERIC ENVELOPE
FIG. 3A

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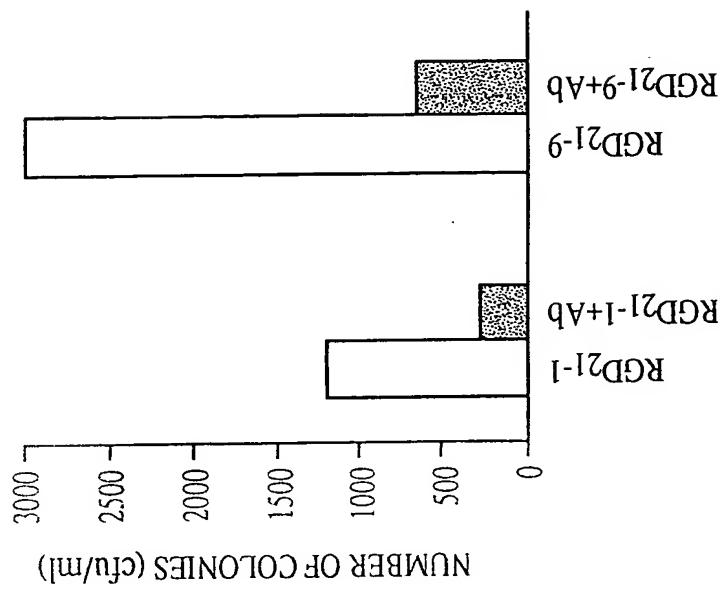
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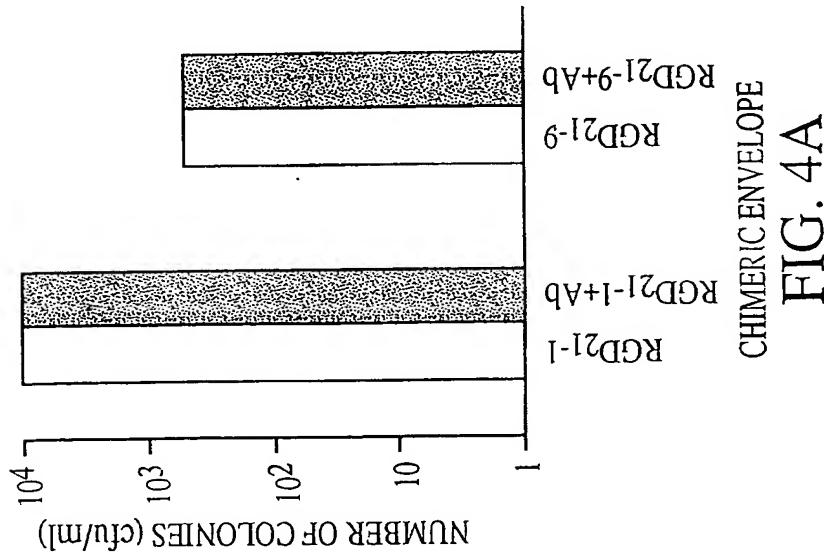
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A375 HUMAN MELANOMA CELLS



CHIMERIC ENVELOPE
FIG. 4B

MOUSE NIH 3T3 CELLS



CHIMERIC ENVELOPE
FIG. 4A

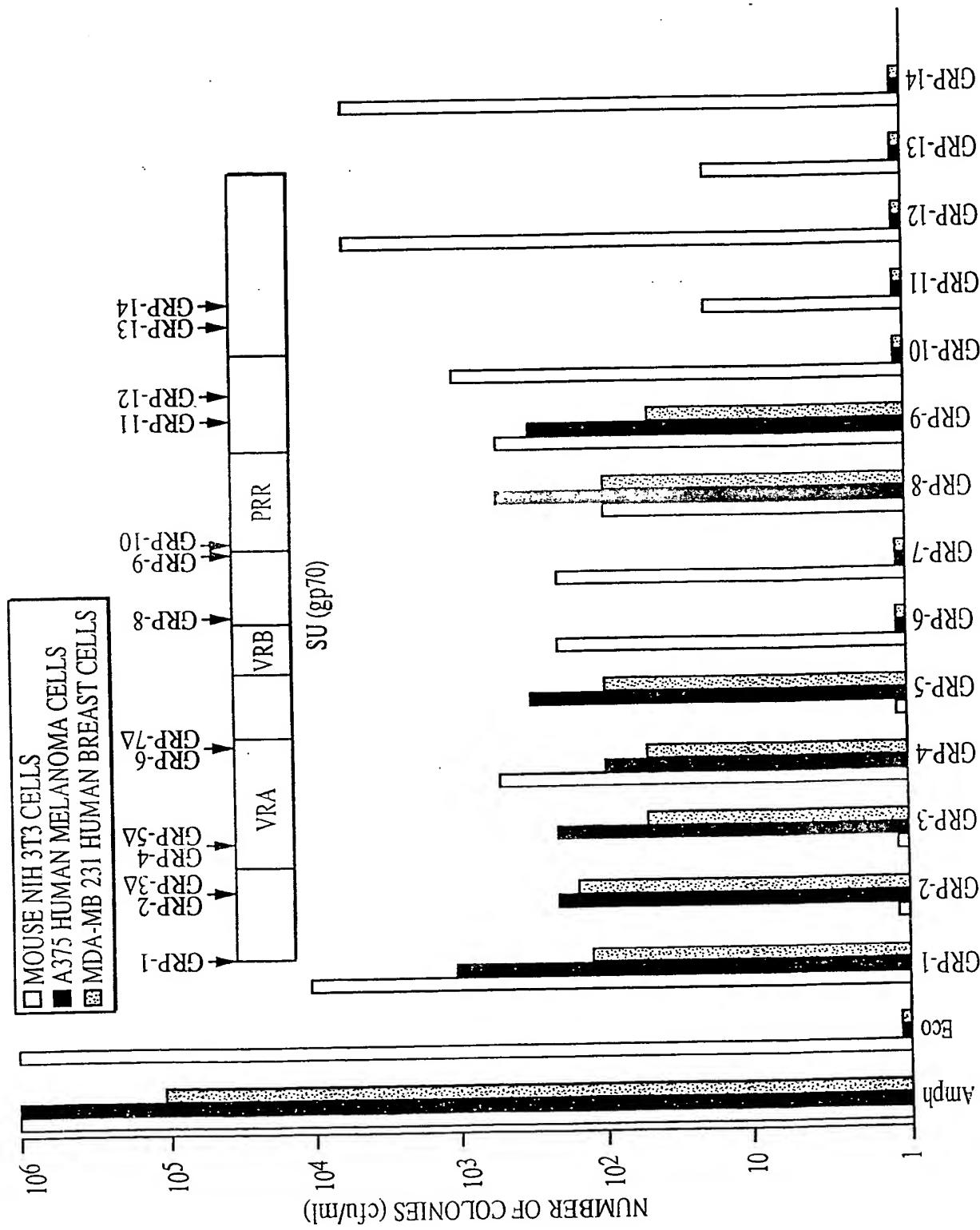
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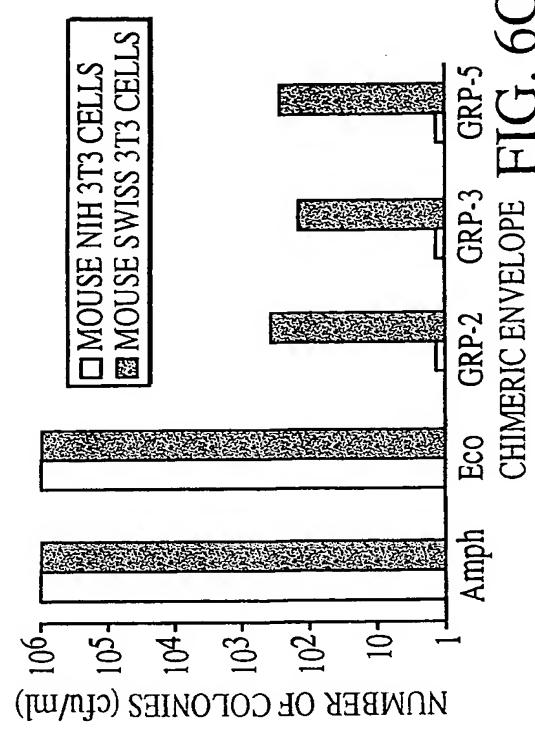
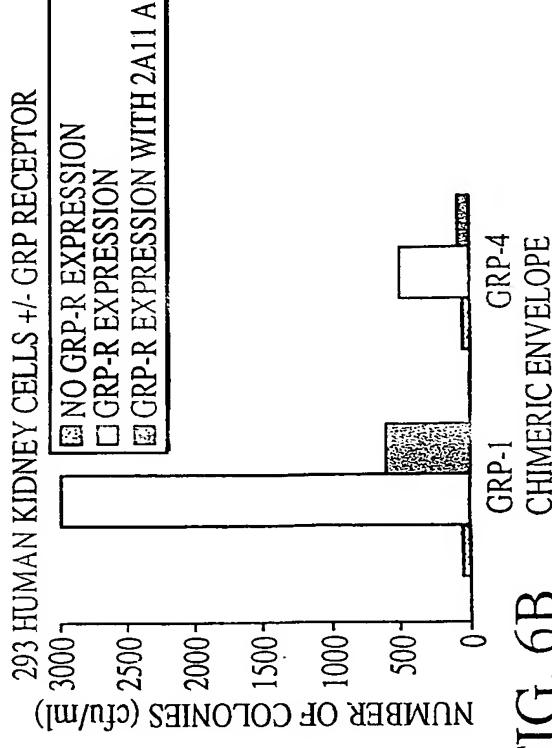
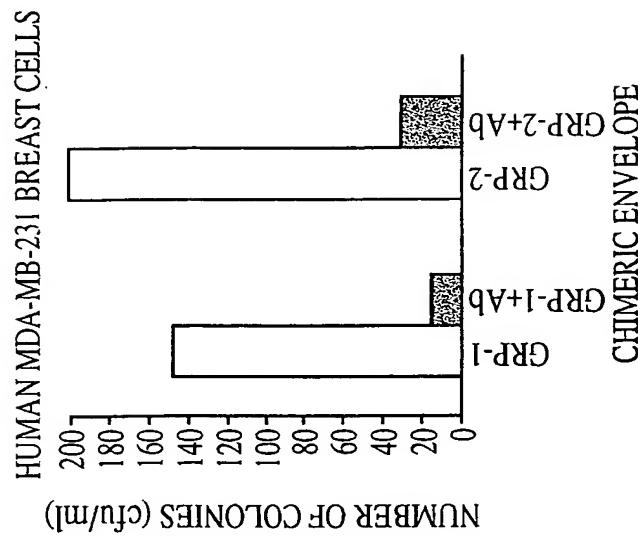
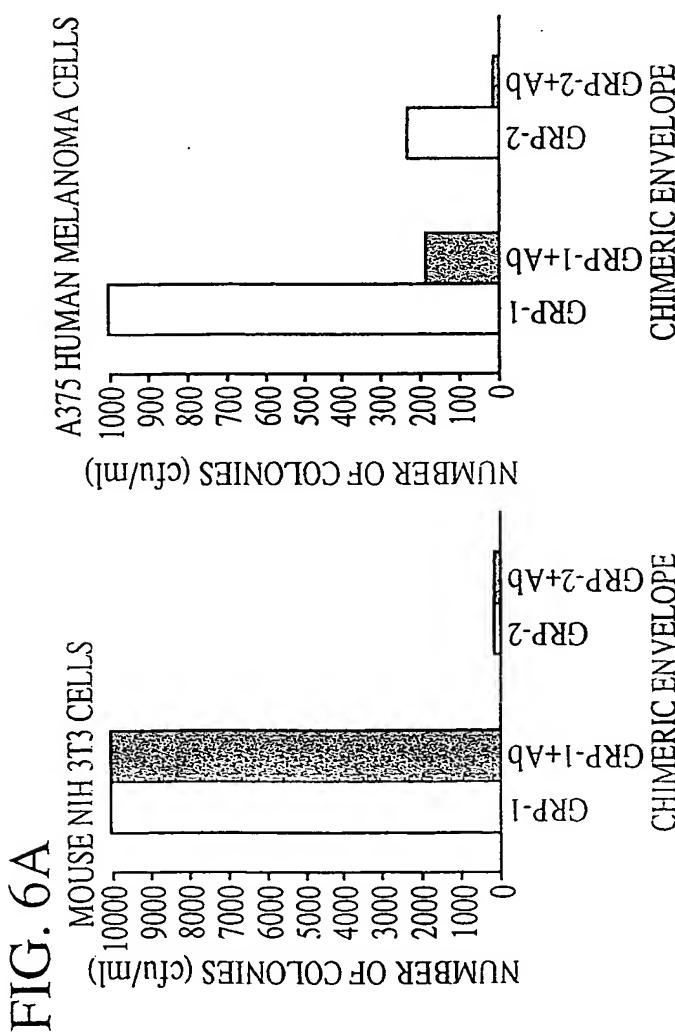


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FIG. 5

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**FIG. 6C****BEST AVAILABLE COPY****FIG. 6B**

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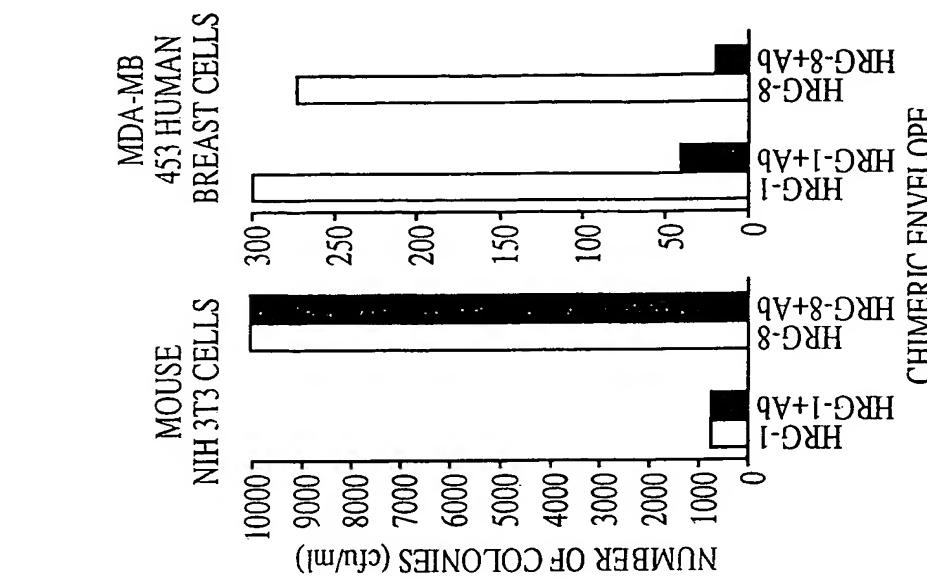


FIG. 7B

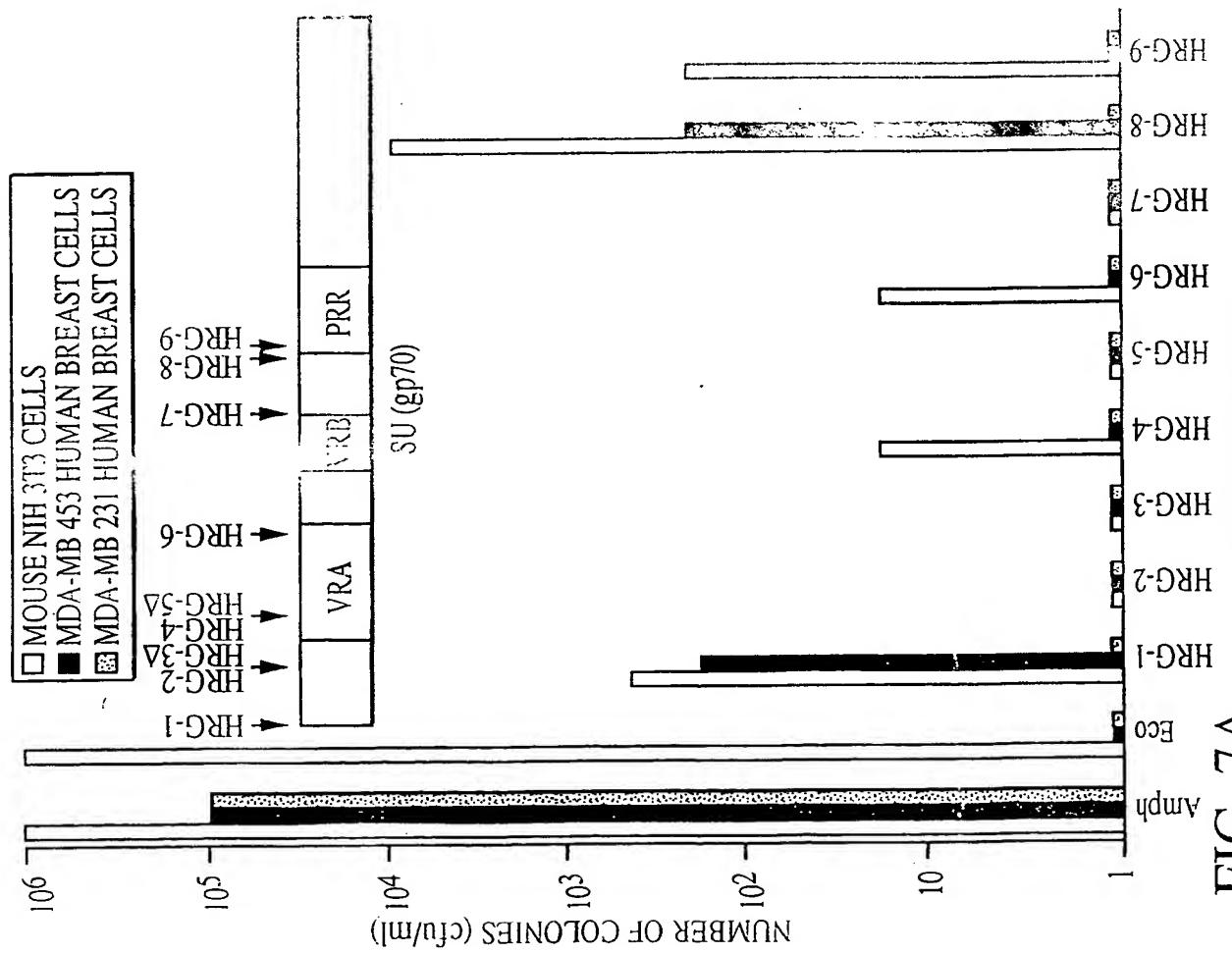


FIG. 7A

CHIMERIC ENVELOPE

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Moloney Murine Leukemia Virus – envelope protein (gp70), nucleic acid sequence (from complete MoMLV genome sequence; Genbank Accession No. NC_001501). The SU (extracellular domain) is coded by nucleotides 5612 – 6919 (pictured below). The transmembrane and cytoplasmic tail extends from nucleotides 6920-7507. There is a signal peptide sequence at the beginning of the SU, localizing the protein to the cell membrane.

5581 aattcttcgt atgctcagag gggtcagtac tgctcgccc ggctccagtc ctcatacaagt
5641 ctataatatac acctgggggg taaccaatgg agatcgggag acggtatggg caacttctgg
5701 caaccacccct ctgtggacct ggtggcctga ctttacccca gatttatgtt ttttagcccc
5761 ccatggacca tcttattggg ggctagaata tcaatccct ttttcttc ccccggggccc
5821 ccctgtgc tcagggggca gcagcccagg ctgtccaga gactgcgaag aacccttaac
5881 ctcctcacc ctcgggtcaca actgcctg gaaacagactc aagctagacc agacaactca
5941 taaatcaaataat gagggattt aigttggccc cggggcccac cggcccccgg aatccaagtc
6001 atgtgggggtt ccagactcct tctactgtc ctattggggc ttttgagacaa cggtagagc
6061 ttactggaaag ccctcctcat catgggattt catcacagta aacaacaatc tcacccctga
6121 ccaggctgtc caggtatgc aagataataa gtggtgcac ccccttagtta ttcgggttac
6181 agacgccggg agacgggtta ctccctggac cacaggacat tactggggct tacgttgta
6241 tgcctccggaa caagatccag ggcttacatt tggatccga ctcagatacc aaaatctagg
6301 acccccggtc ccaataggc caaacccctg tctggcagac caacagccac tctccaaagcc
6361 caaacctgtt aagtgcctt cagtcaccaa accaccagg gggactccctc tctccctiac
6421 ccc. cccccc. cccggggaaa cggaaaaatag gctgtctaaac ttagtagacg gagecttcc
6481 atccctcaatc ctcaccaggc ctgacaaatc ccaagagtgc tggttgttgc tagtaggggg
6541 acccccccatac tacgaagggg tttccgttcc gggtaaccac tccaaaccata cctctgtcc
6601 agccaaactgc tccgtggctt cccaaacuuzaa gttggccctg tccgttgcgttgc cggacaggg
6661 actctgcata ggagcaggcc caaaaacaca tcagggcccta tggatataccca cccagacaag
6721 cagtcgagggtt ccattttatc tagttggccc tacaggtacc atgtggctt gtgttccgg
6781 gcttactcca tgcatttcac ccaccatact gaacccattacc actgattttt gtgttcttgc
6841 cgaactctgg ccaagagtca cctatcattc ccccaagctat gtttacggcc tggttgagag
6901 atccaaaccga cacaaaagag aaccgggttc gtttacccctg gcccattttt tgggtggact
6961 aaccatgggg ggaattgccc ctggaatagg aacaggggact actgcicataa tggccactca
7021 gcaattccag cagctccaaag ccgcaggatcaca ggatgtatctc aggggagggtt aaaaatcaat
7081 ctctaaccta gaaaagtctc tcaattccct gtctgaagggtt gtttacccata atcgaagggg
7141 ccttagacttg ttatctaa aagaaggagg gctgtgtct gctctaaaag aagaatgttgc
7201 ctctctatgcg gaccacacag gacttagtgg agacagcatg gccaatttgcg gagagaggct
7261 taatcagaga cagaaactgtt tggatctcaac tcaaggatgg tttggggac tggtttacag
7321 atcccttgg tttaccacatc tggatcttac cattatggg ccccttcatgt tactccata
7381 gatttgtctc ttggaccctt gcatctttaa tggatgttc caattttgtt aagacaggat
7441 atcagttggtc caggctctag ttttgactca acaatatcac cagctgaagc ctatagagta
7501 cgagccatag ataaaataaa agattttttagtgc tggccatgg aaaaaggggg gaatgaaaga

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FIG. 8

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